



MOSTAFA RAGHEB

Assistant professor in Physics at UL

ADRESSE

Tripoli – Lebanon

CONTACT

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LANGUE

- English
- French
- Arabic

SKILLS

- C/C++, Matlab
- Dos, Windows.
- Origin, Labview, Reftool, PSPICE, SRIM, FitzPeaks, ISICS, SPSS.
- Word, Power Point, Excel, Access

HOBBIES

- Swimming
- Cycling
- Reading

EDUCATION

PhD in Materials sciences

2009 - 2013

University of Nantes (FRANCE)-Thesis: « Modeling properties of single-crystalline displacive ferroelectric materials ».

MSc in Physics

2008 - 2009

University of West Brittany - Brest (FRANCE)-Report: «Physics of Sensors and Instrumentation co-accredited with second-year Masters of Laser Optics and Physics of materials and complex media ».

MSc in Science and Technology

2007- 2008

University of Blaise Pascal- Clermont Ferrand (FRANCE) -Report: « Electromagnetic compatibility (ECM) ».

BSc in Physics

2002-2007

Lebanese University, Faculty of Science, Tripoli (LEBANON).

WORK EXPERIENCE

Faculty of sciences -Lebanese university

2022–Until now

Faculty of Technology-Lebanese university

2015–Until now

Faculty of Pedagogy-Lebanese university

2014–Until now

University of Technology and applied Sciences Libano-Français ULF

2014–Until now

Institute of Electronics and Telecommunications Rennes (France) -

2013–2014

Postdoc – Subject: Modeling the properties of ferroelectric materials »

Ecole Polytechniques Nantes (France)

2009–2011

Teaching : Physique moderne (L2) - Mécanique du point (L1) -
Electrocinétique (L2) - Optique géométrique (L2) - Instrumentation
nucléaire (M1) - Du capteur à l'instrument (M1) - Electromagnétisme

Institute Néel Grenoble (France)

2008–2009 (duration: Five months)

Training MSc - Subject : «Contribution of soft X-ray magnetic resonant
reflectivity to the study of Rh/Fe(FeCo)/Rh (001) complex magnetic
configuration».

Institute Néel Grenoble (France)

2008–2009 (duration : Three months)

Training for Master's (MSc) Thesis-Subject «Measurement of multilayered
FeCo/Rh (001) magnetic reflectivity for the study of anisotropic
exchange coupling between magnetic layers ».

ISEN Laboratory Brest (France)

2007 – 2008 (duration : Five months)

Training MSc- Subject: «Encrypting with light polarization, Modeling with
Matlab ».

LASMEA Laboratory Clermont-Ferrand (France)

2007 – 2008 (duration : Three months)

Training for Master's (MSc) Thesis - Subject: «Signal processing and noise
treatment with mathematical functions pertaining to power electronics
(Fourier transforms, Wavelets...) »

Laboratory of Faculty of Science –UL Tripoli (Lebanon)

2006 – 2007 (Duration : Two months)

Training Master.

Private teaching on Maths and Physics

2002-2006

Secondary class level

PUBLICATIONS

[JP1] J.-M. Tonnerre, M. Przybylski, **M. Ragheb**, F. Yildiz , H. C. N.
Tolentino, L. Ortega, J. Kirschner « Probing complex magnetic
configurations in perpendicular anisotropy interlayer exchange systems
by soft x-ray resonant magnetic reflectivity ». Phys. Rev. B 84, 100407(R)
(2011).

[JP2] C. Borderon, R. Renoud, **M. Ragheb**, and H. W. Gundel «
Description of the low field nonlinear dielectric properties of
ferroelectric and multiferroic materials » Appl. Phys. Lett. 98, 112903
(2011).

[JP3] C. Borderon, R. Renoud, **M. Ragheb**, and H. W. Gundel «
Dielectric long time relaxation of domains walls in PbZrTiO₃ thin films »
Appl. Phys. Lett. 104, 072902 (2014).

[JP4] **M. Ragheb**, R. Renoud, C. Borderon, and H. W. Gundel « A
modified of Landau potential of BaTiO₃ single crystal » In progress

[JP5] **M. Ragheb**, R. Renoud, C. Borderon, and H. W. Gundel « A
correction function in the switching region for the ferroelectric
materials » In progress

[JP6] R. Renoud, **M. Ragheb**, C. Borderon, and H. W. Gundel « Relation
between the domain wall density and the butterfly loop » In progress

INTERNATIONAL CONFERENCES

[CP1] **M. Ragheb**, R. Renoud, C. Borderon, H.W. Gundel « [Modeling of the properties of a ferroic single crystal based on the motion of domain walls](#) » IEEE Conf. ISAF-ECAPD-PFM 2012 Aveiro Portugal, 9-13 july.

[CP2] R. Renoud, C. Borderon, **M. Ragheb**, H.W. Gundel « [Hyperbolic law of a ferroic single crystal at low applied constraint amplitudes](#) » IEEE Conf. ISAF-ECAPD-PFM 2012 Aveiro Portugal, 9-13 july.

[CP3] **M. Ragheb**, R. Renoud, C. Borderon, H.W. Gundel « [Modeling of the relaxation time of a ferroic single crystal](#) » IEEE Conf. ISAF-ECAPD-PFM 2012 Aveiro Portugal, 9-13 july.

[CP4] **M. Ragheb**, R. Renoud, C. Borderon, H.W. Gundel « [Modeling of the hysteresis loop of a ferroic single crystal](#) » IEEE Conf. ISAF-ECAPD-PFM 2012 Aveiro Portugal, 9-13 july.

[CP5] C. Borderon, R. Renoud, **M. Ragheb**, H.W. Gundel « [Modeling of minor loops of a ferroic single crystal](#) » IEEE Conf. ISAF-ECAPD-PFM 2012 Aveiro Portugal, 9-13 july.

[CP6] R. Renoud, **M. Ragheb**, G. Dammame, C. Borderon, H.W. Gundel « [Free energy of BaTiO₃ single crystal](#) » IEEE Conf. IUS-ISAF-PFM-IFCS-EFTF 2013 Prague Czech Republic, 21-25 july.

[CP7] **M. Ragheb**, R. Renoud, C. Borderon, H.W. Gundel « [Response of a ferroelectric to an electric field: the Rayleigh law and its extensions](#) » IEEE Conf. ECAPD 2014, Vilnius, Lithuania, 7-11 july.

[IC 1] **M. Ragheb**, C. Borderon, H.W. Gundel, R. Renoud « [Simulation du mouvement des parois de domaines dans BaTiO₃](#) » Matériaux 2010, 18-22/11/2010, Nantes, France.

[IC 2] R. Renoud, C. Borderon, **M. Ragheb**, H.W. Gundel « [Dielectric properties of PZT thin films under a low ac-electric field at different bias fields](#) » ISIF 2011, 31 july - 04 august 2011, Cambridge, England

[IC 3] R. Renoud, C. Borderon, **M. Ragheb**, H.W. Gundel « [Matériaux ferroélectriques dans les dispositifs hyperfréquences : quelles caractérisations?](#) » 12èmes Journées de Caractérisation Microondes et Matériaux Chambéry – 28-30 march 2012.